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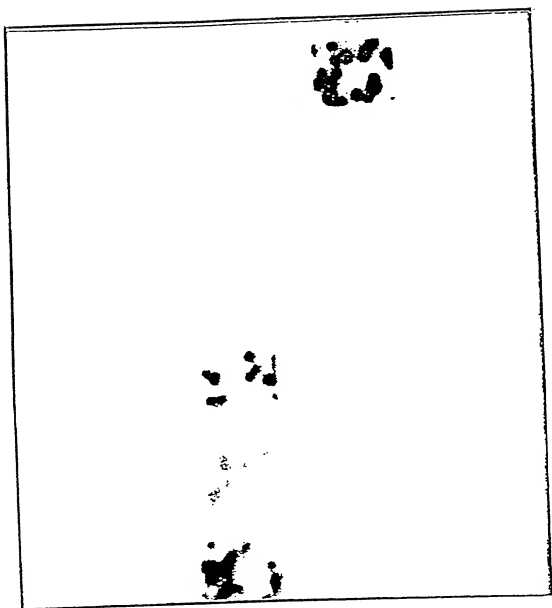


FIG. 1

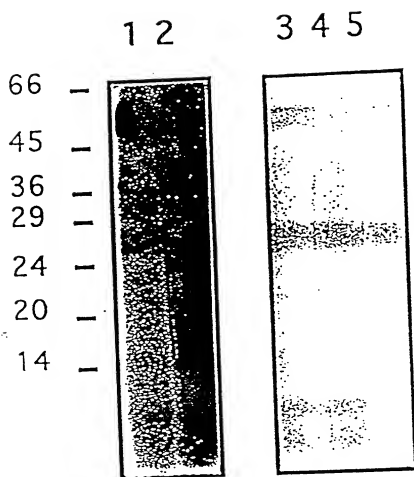


FIG. 2

Figure 3A

TTTTTTTCTTTTGGTTATTCCTCATTTTTCATATCGTAAATAATCCAAATTCACATTT 60
 TTACCAA ATG ATG AAA TTA TTA TTG ATT GCT GCC GCA GCT TTT GTT 106
 yet Met Lys Leu Leu Leu Ile Ala Ala Ala Phe Val
 GGC GTT TCG GCT GAT CCA ATT CAC TAT GAT AAA ATC ACC GAA GAA 151
 Ala Val Ser Ala Asp Pro Ile His Tyr Asp Lys Ile Thr Glu Glu
 ATT AAC AAA GCT GTT GAT GAA GCC GTC GCT GCA ATT GAA AAA TCC 196
 Phe Asn Lys Ala Val Asp Glu Ala Val Ala Ile Glu Lys Ser
 GAA ACA TTC GAT GAT CCA ATG AAG GTA CCC GAT CAT TCT GAT AAA TTC 241
 Glu Thr Phe Asp Pro Met Lys Val Pro Asp His Ser Asp Lys Phe
 GAA CGA CAT ATT GGT ATC ATC GAT TTA AAA GGT GAA TTA GAC ATG 286
 Glu Arg His Ile Gly Ile Ile Asp Leu Lys Gly Glu Leu Asp Met
 CGA AAC ATTCAA GTT CGA GGA TTA AAA CAA ATG AAA CGT GTA GGT 331
 Arg Asn Ile Gln Val Arg Gly Leu Lys Gln Met Lys Arg Val Gly
 GAT GCT AAT GTG AAA AGT GAA GAT GGT GTT GTC AAA GCT CAT TTG 376
 Asp Ala Asn Val Lys Ser Glu Asp Gly Val Val Lys Ala His Leu
 TTG GTC GGT GTT GAT GAT GAC GTT TCA ATG GAA TAT GAT TTA 421
 Leu Val Gly Val His Asp Asp Val Val Ser Met Glu Tyr Asp Leu
 GCA TAC AAA TTG GGT GAT CTT CAT CCA AAC ACT CAT GTC ATT TCG 466
 Ala Tyr Lys Lys Leu Gly Asp Leu His Pro Asn Thr His Val Ile Ser

GAT ATT CAG GAT TTT GTT GTC GAA TTA TCG CTC GAA GTT AGC GAA 511
 Asp Ile Gln Asp Phe Val Val Glu Leu Ser Leu Glu Val Ser Glu
 GAA GGT AAT ATG ACA TTG ACA TCG TTC GAA GTA CGT CAA TTT GCC 556
 Glu Gly Asn Met Thr Leu Thr Ser Phe Glu Val Arg Gln Phe Ala
 AAT GTT GTC AAT CAT ATT GGT GGT CTT TCA ATT TTG GAT CCA ATT 601
 Asn Val Val Asn His Ile Gly Gly Leu Ser Ile Leu Asp Pro Ile
 TTC GCT GTC TTA TCC GAT GTT TTG ACC GCT ATT TTC CAG GAT ACC 646
 Phe Ala Val Leu Ser Asp Val Leu Thr Ala Ile Phe Gln Asp Thr
 GTA CGT GCA GAA ATG ACC AAA GTA TTG GCA CCA GCA TTC AAA AAA 691
 Val Arg Ala Glu Met Thr Lys Val Leu Ala Pro Ala Phe Lys Lys
 GAA TTG GAA CGA AAC AAC CAA TAGACTTACACACACACATACACTGTTATT 743
 Glu Leu Glu Arg Asn Asn Gln
 TTACACTGGATAAATCAATGAAATATAATTTTATTATCATTTTGTTTAAAAA 802
 AAAAAAAAAA 812

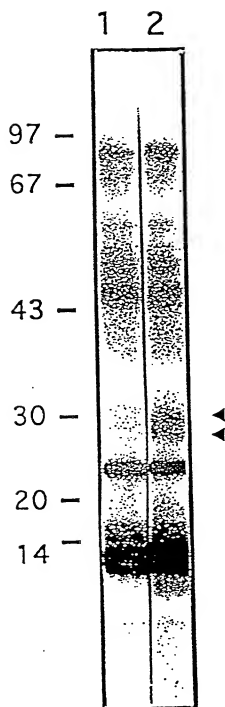


FIG. 4

1 2 3

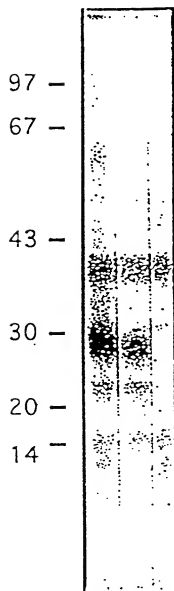


FIG. 5

Figure 6A

GATCTTATATCATACATCCAAAAAACATATCTTACAAAATG ATG AAA TTT TTG 57
 Met Met Lys phe Leu
 TTG ATT GCT GCC CTG GCA TTT GTC GCC GTT TCG GCT GAT CCA ATT 102
 Leu Ile Ala Ala Val Ala Phe Val Ala Val Ser Ala Asp Pro Ile
 CAC TAT GAT AAA ATC ACC GAA CAA ATC AAC AAA GCT ATT GAT GAT 147
 His Tyr Asp Lys Ile Thr Glu Gln Ile Asn Lys Ala Ile Asp Asp
 GCC ATT GCT GCT ATT GAA CAA TCC CAA ACA ATA GAT CCA ATG AAA 192
 Ala Ile Ala Ala Ile Glu Gln Ser Glu Thr Ile Asp Pro Met Lys
 GTA CCT GAT CAT GCC GAT AAA TTC GAA CGT CAT GTT GGT ATT GTG 237
 Val Pro Asp His Ala Asp Lys Phe Glu Arg His Val Gly Ile Val
 GAT TTC AAA GGT GAA TTA GCC ATG CCA AAC ATT GAG GCT CGA GGA 282
 Asp Phe Lys Gly Glu Leu Ala Met Arg Asn Ile Glu Ala Arg Gly
 TTG AAA CAA ATG AAA CGT CAA GGT GAT GCT AAT CTC AAA GGT GAA 327
 Leu Lys Gln Met Lys Arg Gln Gly Asp Ala Asn Val Lys Gly Glu
 GAG GGT ATT GTT AAA GGT CAT TTG TTG ATC GCT GTT CAC GAT GAT 372
 Glu Gly Ile Val Lys Ala His Leu Leu Ile Gly Val His Asp Asp
 ATC GTC TCG ATG GAA TAT GAT TTA GCA TAC AAA TTG GCT GAT CTT 417
 Ile Val Ser Met Glu Tyr Asp Leu Ala Tyr Lys Leu Gly Asp Leu
 CAT CCA ACC ACT CAT GTC ATT TCG GAT ATT CAA CAT TTT GTT CTT 462
 His Pro Thr Thr His Val Ile Ser Asp Ile Gln Asp phe Val Val

Figure 6B

GCC TTG TCC CTT GAA ATT TCT GAT GAA GGT AAC ATA ACA ATG ACA 507
 Ala Leu Ser Leu Glu Ile Ser Asp Glu Gly Asn Ile Thr Met Thr
 TCT TTT GAA GTA CGA CAA TTC GCT AAT GTT GTC AAC CAT ATT GGT 552
 Ser Phe Glu Val Arg Gln Phe Ala Asn Val Val Asn His Ile Gly
 GGT CTT TCA ATC TTG GAT CCA ATT TTT GGC GTT TTA TCT GAT GTA 597
 Gly Leu Ser Ile Leu Asp Pro Ile Phe Gly Val Leu Ser Asp Val
 TTG ACC GCT ATT TTC CAA GAC ACC GTA CGT AAG GAA ATG ACC AAA 642
 Leu Thr Ala Ile Phe Gln Asp Thr Val Arg Lys Glu Met Thr Lys
 GTA TTG GCA CCA GCA TTT AAA CGT GAA TTG GAA AAA AAT TAACCAA 688
 Val Leu Ala Pro Ala Phe Lys Arg Glu Leu Lys Asn
 TAGACATCATTTTCCAACTGTACATCTCTATTTCACCTGACATTAATTAATTTTT 747
 ATTTTATTCTCC 761

Figure 7B

Df VII:	... A.T ... .T ... .C.. ... .A.A	106
	Ile Gln Ile	
Dp VII:	ATG ARG GTA CCC GAT CAT TCT GAT AAA TTC GAA CGA GAT	250
	Met Lys Val Pro Asp His Ser Asp Lys Phe Glu Arg His	
Df VII:	... .A ... .T ... .G.C ... .T ...	225
	Ala	
Dp VII:	ATT GCT ATC GAT TTA AAA GGT GAA TTA GAC ATG CGA	289
	Ile Gly Ile Ile Asp Leu Lys Gly Glu Leu Asp Met Arg	
Df VII:	G.. ... .T G.G ... .C ... .C.. ...	264
	Val Phe	
Dp VII:	ATC ATT CAA GTT CCA GGN TTA AAA CAA ATG AAA CGT GTA	328
	Asn Ile Gln Val Arg Gly Leu Lys Gln Met Lys Arg Val	
Df VII:	... ... G.G .C. ... ..G ... ..CA..	303
	Glu Ala Gln	

Figure 7C

Dp VII: GGT GAT GCT AAT GTG AAA AGT GAA GAT GGT GTT GTC AAA 367
 Gly Asp Ala Asn Val Lys Ser Glu Asp Gly Val Val Lys

 Df VII:CG ... A.. ..T ... 342
 Gly Glu Ile

 Dp VII: GCT CAT TTG TTC GTC GGT GTT CAT GAT GAC GTT GTT TCA 406
 Ala His Leu Leu Val Gly Val His Asp Asp Val Val Ser

 Df VII:A..CT A.C ..C ..G 381
 Ile Ile

 Dp VII: ATG GAA TAT GAT TTA GCA TAC AAA TTG CCT GAT CAT CTT CAT 445
 Met Glu Thr Asp Leu Ala Tyr Lys Leu Gly Asp Leu His

 Df VII: 420

 Dp VII: CCA AAC ACT CAT GTC ATT TCG GAT ATT CAC GAT TTT GTT 484
 Pro Asn Thr His Val Ile Ser Asp Ile Gln Asp Phe Val

 Df VII:C./...A 459
 Thr

 Dp VII: GTC GAA TTA TCC CTC GAA GTT AGC GAA GAA GGT AAT ATG 523
 Val Glu Leu Ser Leu Glu Val Ser Glu Glu Gly Asn Met

Figure 7D

Df VII:	...T .CC .G .C .T ...	A.. TCT ..T ...	..C ..A	498
	Ala	Ile	Asp	
Dp VII:	ACA TTG ACA TCG TTC GAA GTA CGT CAA TTT CCC AAT GTT			562
	Thr Leu Thr Ser Phe Glu Val Arg Gln Phe Ala Asn Val			
Df VII:	... A.. ... ..T ..T ...	..A ... ..C ..T ...	...	537
	Met			
Dp VII:	GTC AAT CAT ATT GGT GGT CTT TCA ATT TTG GAT CCA ATT			601
	Val Asn His Ile Gly Gly Leu Ser Ile Leu Asp Pro Ile			
Df VII:	... ..C ... ..	... ..C ... ..	...	576
Dp VII:	TTC GCT GTC TTA TCC GAT GTT TTG ACC GCT ATT TTC CAG			640
	Phe Ala Val Leu Ser Asp Val Leu Thr Ala Ile Phe Gln			
Df VII:	..T .CC ..T ... ..T ...	..A ... ..	... ..A	615
	Gly			

Figure 7E

679

Dp VII: GAT ACC GTA CGT GCA GAA ATG ACC AAA GTA TTG GCA CCA
Asp Thr Val Arg Ala Glu Met Thr Lys Val Leu Ala Pro

654

Df VII: ..C AAG
Lys

719

Dp VII: GCA TTC AAA AAA GAA TTG GAA CGA AAC AAC CAA TAGACTT
Ala Phe Lys Lys Glu Leu Glu Arg Asn Asn Gln

680

Df VII:T ... CGT AA. .T
Arg Lys

770

Dp VII: ACACACACATACACACTCTTATTTTACACCTGGATATCAATGAATATAA

739

Df VII: TAGACATCAT. TTTC.AAC.G.ACAAT.T..ATT.C.CTG.CAATL.A.T.

812

Dp VII: TTTTTTATCATTTTGTTTAAAAAATAAAAAAAAAAAAAA

761

Df VII: AAA....TATT...AT..CTCC